Performance Data Sheet

AGC5561EXG

General Information

Model	AGC5561EXG	**Refrigerant**	R-22
Test Condition	ASHRAE	**Performance Test Voltage**	460V 3~ 60HZ
Return Gas	-6.7°C (20°F) SUPERHEAT	**Motor Type**	3PH

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	90	100	110	120	130	140
-15	Btu/h	23400	20100					
	Watts	3140	3010					
	Amps	4.67	4.60					
	Lb/h	305	270					
-10	Btu/h	24500	21200	18200				
	Watts	3220	3150	3040				
	Amps	4.93	4.90	4.82				
	Lb/h	317	284	252				
-5	Btu/h	26400	23100	20100	17200			
	Watts	3310	3290	3230	3150			
	Amps	5.18	5.19	5.16	5.09			
	Lb/h	339	307	277	247			
0	Btu/h	29100	25700	22600	19600	16900		
	Watts	3410	3440	3430	3390	3320		
	Amps	5.42	5.48	5.50	5.47	5.40		
	Lb/h	370	339	310	281	252		
5	Btu/h	32500	29100	25800	22700	19800		
	Watts	3530	3600	3630	3640	3620		
	Amps	5.65	5.76	5.83	5.84	5.82		
	Lb/h	410	381	351	323	294		
10	Btu/h	36600	33100	29700	26500	23400	20400	17600
	Watts	3650	3760	3840	3890	3920	3910	3880
	Amps	5.87	6.03	6.15	6.22	6.24	6.23	6.20
	Lb/h	459	430	402	373	344	315	286
15	Btu/h	41500	37900	34300	30900	27500	24300	21200
	Watts	3770	3930	4050	4150	4220	4260	4270
	Amps	6.08	6.30	6.47	6.59	6.66	6.70	6.71
	Lb/h	516	489	461	432	403	373	342
20	Btu/h	47200	43400	39600	35900	32300	28800	25400
	Watts	3910	4110	4270	4410	4520	4600	4650
	Amps	6.27	6.55	6.78	6.95	7.08	7.17	7.22
	Lb/h	583	556	528	499	469	439	407

25	Btu/h	53600	49600	45600	41600	37700	33900	30100
	Watts	4060	4290	4500	4670	4820	4940	5030
	Amps	6.46	6.80	7.08	7.31	7.49	7.63	7.74
	Lb/h	657	631	603	574	544	512	478
30	Btu/h	60700	56500	52200	48000	43700	39500	35400
	Watts	4210	4480	4720	4940	5120	5280	5410
	Amps	6.63	7.03	7.38	7.67	7.91	8.10	8.25
	Lb/h	740	714	686	657	626	593	558
35	Btu/h	68600	64100	59500	55000	50400	45800	41200
	Watts	4380	4680	4960	5200	5430	5620	5790
	Amps	6.79	7.26	7.67	8.02	8.32	8.57	8.78
	Lb/h	831	805	778	748	716	681	645
40	Btu/h	77200	72400	67500	62600	57600	52600	47500
	Watts	4550	4880	5190	5480	5730	5960	6170
	Amps	6.93	7.47	7.95	8.37	8.72	9.03	9.30
	Lb/h	930	904	877	846	813	777	738
45	Btu/h	86600	81500	76200	70900	65400	60000	54400
	Watts	4730	5100	5440	5750	6040	6300	6540
	Amps	7.06	7.68	8.22	8.70	9.13	9.50	9.82
	Lb/h	1040	1010	983	952	918	880	839
50	Btu/h	96700	91200	85500	79800	73900	67900	61900
	Watts	4910	5310	5680	6030	6340	6640	6910
	Amps	7.18	7.87	8.49	9.04	9.53	9.96	10.3
	Lb/h	1150	1130	1100	1060	1030	990	947
55	Btu/h			95600	89300	82900	76500	69800
	Watts	5110	5540	5930	6300	6650	6970	7270
	Amps	7.28	8.05	8.74	9.36	9.92	10.4	10.9
	Lb/h	1270	1250	1220	1190	1150	1110	1060

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	6.016024E+04	1.957374E+03	2.489558E+00	6.581469E+02
C2	4.718101E+02	-4.968089E+01	-5.071761E-02	2.282840E+00
C3	-4.231623E+02	3.332774E+01	7.076634E-02	-4.196958E+00
C4	2.043396E+01	4.767929E-01	-6.074290E-04	2.010503E-01
C5	4.063995E+00	8.489980E-01	1.413838E-03	9.302930E-02
C6	2.560061E-01	-2.010759E-01	-5.053868E-04	8.783366E-03
C7	-1.702882E-03	-1.417213E-04	-6.072616E-07	-1.876331E-04
C8	-6.717672E-02	-3.688307E-03	5.053101E-06	-2.639576E-04
C9	-3.008338E-02	4.743869E-04	-2.423567E-06	-4.100362E-04
C10	2.193437E-03	1.521780E-04	9.832561E-07	-1.663715E-05

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature